

SHIP 30/04 LATEST

Work Order ID 58147

April 26, 2010 1:29:33 PM

Page 1

Item ID: D130-701-011

Revision ID:

Item Name: Basket Conversion Installation

Start Date: 4/26/10 Start Qty: 1.00

Required Date: 4/30/10 Req'd Qty: 1.00

Reference:

Accept

Cust Item ID:

Customer:

Setup Start

Stop

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

IIN D130-701

C

100



DC

Document Control

DOCUMENT CONTROL

0.00

Memo

0.00

Photocopy blue file and type labels per PPP D130-701-011 CHG001

S. 10/04/29

10/04/27

110



Packaging

Packaging

Pick Kit

0.00

Memo

0.00

7m-1 10/04/27

10-4-29 sf

150



QC

Quality Control

QC4- 100% Inspect kits for completeness

0.00

Memo

0.00

S. 10/04/29

Work Order ID 58147

April 26, 2010 1:29:34 PM



Page 2

Item ID: D130-701-011

Revision ID:

Accept



Setup Start



Item Name: Basket Conversion Installation

Stop



Start Date: 4/26/10 Start Qty: 1.00

Required Date: 4/30/10 Req'd Qty: 1.00

Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

160



Packaging

Packaging

Packaging

Memo

0.00

Identify and pack for shipping as per PPP D130-701-011

Location:

PPP Rev: A

10-4-29 SF

170



QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

10/04/30

MF

10-4-29

Picklist Print

April 26, 2010 1:29:30 PM

Page 1

Work Order ID: 58147

Parent Item: D130-701-011

Parent Item Name: Basket Conversion Installation

Comments: IPP REV:A NEW ISSUE 10-04-19 JLM VERIFIED BY:DD

Start Date: 4/26/10

Required Date: 4/30/10

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
S D4037-1 Aft Crossbeam		Manufactured	No			V 110	Each	0.0000	1.0000			
S D4037-3 Fwd Crossbeam		Manufactured	No			110	Each	0.0000	1.0000			
S D4038-041 Angle Assembly, Fwd, LH		Manufactured	No			110	Each	0.0000	1.0000			
S D4038-042 Angle Assembly, Fwd, RH		Manufactured	No			110	Each	0.0000	1.0000			
S D4038-043 Angle Assembly, Aft, LH		Manufactured	No			110	Each	0.0000	1.0000			
S D4038-044 Angle Assembly, Aft, RH		Manufactured	No			110	Each	0.0000	1.0000			
S D4039-041 Fwd Bracket Assembly		Manufactured	No			110	Each	0.0000	1.0000			
S D4039-043 Aft Bracket Assembly		Manufactured	No			110	Each	0.0000	1.0000			
S D4040-1 Radius Block		Manufactured	No			110	Each	0.0000	4.0000			

B57855

B57939 10-4-29 S

B57940 10-4-29 S

B58048 10-4-29 S

B58049 10-4-29 S

B58050 10-4-29 S

B58051 10-4-29 S

B58052 10-4-29 S

B58053 10-4-29 S

4X msk 10/04/27

Picklist Print

April 26, 2010 1:29:30 PM

Page 2

Work Order ID: 58147

Parent Item: D130-701-011

Parent Item Name: Basket Conversion Installation

Comments: IPP REV:A NEW ISSUE 10-04-19 JLM VERIFIED BY:DD

Start Date: 4/26/10

Required Date: 4/30/10

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D4090-5 Placard AN5-10A Bolt		Manufactured Purchased	No No			110 110	Each Each	0.0000 155.0000	1.0000 16.0000			

1357864

1X m-l w/04/27

Warehouse

Location

Loc Qty

Loc Code

Main Warehouse

ST337

155

114056 ✓

5

114199 ✓

100

114227 ✓

50

110

Each

36.0000

8.0000

5X

11X

m-l w/04/27

MS20002C5

WASHER

Warehouse

Location

Loc Qty

Loc Code

Main Warehouse

ST315

36

113595 ✓

36

8X m-l w/04/27

April 26, 2010 1:29:30 PM

Shop Packet Print

Page 2

Picklist Print

April 26, 2010 1:29:30 PM

Page 3

Work Order ID: 58147

Parent Item: D130-701-011

Parent Item Name: Basket Conversion Installation

Comments: IPP REV:A NEW ISSUE 10-04-19 JLM VERIFIED BY:DD

Start Date: 4/26/10

Required Date: 4/30/10

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
MS20002C6 WASHER		Purchased	No			110	Each	36.0000	12.0000			

Warehouse

Location

Loc Qty

Loc Code

Main Warehouse

ST315

113595 ✓

36

36

110

Each

822.0000

24.0000

12x m-l 10/04/27

MS21042145

Purchased

No

Nut

Warehouse

Location

Loc Qty

Loc Code

Main Warehouse

ST300

113523

113537 ✓

114108

114437

114449

822

26

100

196

100

400

110

Each

239.0000

12.0000

24x m-l 10/04/27

MS21042146

Purchased

No

Nut

Warehouse

Location

Loc Qty

Loc Code

Main Warehouse

ST300

111578 ✓

239

239

12x m-l 10/04/27

April 26, 2010 1:29:31 PM

Shop Packet Print

Page 3

Picklist Print

April 26, 2010 1:29:32 PM

Page 4

Work Order ID: 58147

Parent Item: D130-701-011

Parent Item Name: Basket Conversion Installation

Comments: IPP REV:A NEW ISSUE 10-04-19 JLM VERIFIED BY:DD

Start Date: 4/26/10

Required Date: 4/30/10

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
S MS21250-05032 BOLT		Purchased	No			110	Each	12.0000	4.0000			

Warehouse

Location

Loc Qty

Loc Code

Main Warehouse

ST305

113595 ✓

12

12

110

Each

0.0000

4.0000

4X m-h 10/04/27
M114541 10-4-29 S

MS21250-05038

Purchased

No

BOLT

MS21250-06018

Purchased

No

BOLT

110

Each

36.0000

12.0000

Warehouse

Location

Loc Qty

Loc Code

Main Warehouse

ST305

113464 ✓

36

36

12x m-h 10/04/27

April 26, 2010 1:29:32 PM

Shop Packet Print

Page 4

Picklist Print

April 26, 2010 1:29:32 PM

Page 5

Work Order ID: 58147

Parent Item: D130-701-011

Parent Item Name: Basket Conversion Installation

Comments: IPP REV:A NEW ISSUE 10-04-19 JLM VERIFIED BY:DD

Start Date: 4/26/10

Required Date: 4/30/10

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
NAS1149D0563J Washer		Purchased	No			110	Each	1,789.000	40.0000			

Warehouse

Location

Loc Qty

Loc Code

Main Warehouse

ST298

113524

1789

113706 ✓

44

1745

110

Each

620.0000

12.0000

40 X m-l 10/04/27

Warehouse

Location

Loc Qty

Loc Code

Main Warehouse

ST298

112612 ✓

620

113524

120

114348

300

200

12 X m-l 10/04/27

April 26, 2010 1:29:32 PM

Shop Packet Print

Page 5

4. WEIGHT AND BALANCE

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D130-701-041 (LH installation)	120 lb 54 kg	- 47.4 in - 1.20 m	- 5688 in-lb - 64.8 m-kg	133.9 in 3.40 m	16068 in-lb 183.6 m-kg
D130-701-041 (RH installation)	120 lb 54 kg	+ 47.4 in + 1.20 m	+ 5688 in-lb + 64.8 m-kg	133.9 in 3.40 m	16068 in-lb 183.6 m-kg
2 x D130-701-041 (LH and RH installation)	224 lb 102 kg	0.0 in 0.00 m	0 in-lb 0.0 m-kg	133.9 in 3.40 m	29994 m-kg 346.8 m-kg
D130-701-043 (LH installation)	130 lb 59 kg	- 47.4 in - 1.20 m	- 6162 in-lb - 70.8 m-kg	133.9 in 3.40 m	17407 in-lb 200.6 m-kg
D130-701-043 (RH installation)	130 lb 59 kg	+ 47.4 in + 1.20 m	+ 6162 in-lb + 70.8 m-kg	133.9 in 3.40 m	17407 in-lb 200.6 m-kg
2 x D130-701-043 (LH and RH installation)	235 lb 106.8 kg	0.0 in 0.00 m	0.0 in-lb 0.00 m-kg	133.9 in 3.40 m	31467 in-lb 363.1 m-kg
D130-701-013 (Fixed provisions)	25 lb 11.4 kg	0.0 in 0.00 m	0.0 in-lb 0.00 m-kg	133.9 in 3.40 m	3348 in-lb 38.8 m-kg

5. PARTS LIST

Qty -041	Qty -043	Qty -011	Qty -013	Part Number	Description
X				D130-701-041	HELI-UTILITY-BASKET
	X			D130-701-043	HELI-UTILITY BASKET
		X		D130-701-011	CONVERSION KIT
			X	D130-701-013	FIXED PROVISIONS KIT
2	2			*D2022-101	SPACER
1	1			*D2258-220	LABEL
1	1			*D2332-041	PROP ASSEMBLY
1	1			*D2512	BASKET LID ASSEMBLY
2	2			*D2530	HANDLE ASSEMBLY
2	2			*D2535	SPRING
2	2			*D2537	BUSHING
1	1			*D2931	BUMPER
2				*D3172-041	BASKET BASE ASSEMBLY
1				D3173-041	BEAM ASSEMBLY
1				D3177-041	BRACKET ASSEMBLY
1	1			D3177-043	BRACKET ASSEMBLY
1	1			D3180-041	STRUT ASSEMBLY
	1			D3181-1	BUSHING
	1		1	D4037-1	AFT CHANNEL
	1		1	D4037-3	FWD CHANNEL
	1		1	D4038-041	ANGLE ASSEMBLY, FWD, LH
	1		1	D4038-042	ANGLE ASSEMBLY, FWD, RH
	1		1	D4038-043	ANGLE ASSEMBLY, AFT, LH
	1		1	D4038-044	ANGLE ASSEMBLY, AFT, RH
	1			D4039-041	FWD BRACKET ASSEMBLY
	4		4	D4039-043	AFT BRACKET ASSEMBLY
	1			D4040-1	RADIUS BLOCK
	1			*D4090-1	PLACARD (ON BASKET LID)
	1			*D4090-3	PLACARD (ON BASKET LID)

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

Revision: C

Date: 10.01.01

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART AEROSPACE LTD.

REFERENCE ONLY

IIN-D130-701

Page 16 of 16

Qty -041	Qty -043	Qty -011	Qty -013	Part Number	Description
	1	1	1	D4090-5	PLACARD
2	2			*AN3-16A	
2	2			AN4-12A	BOLT
1	1			*AN4-22A	BOLT
1	1			*AN4-24A	BOLT
3 (2)	3 (2)			+AN4-7A	BOLT
4	16	16	16	AN5-10A	BOLT
4	4			*AN5-17A	BOLT
2				AN5-23A	BOLT
4	4			*AN970-4	BOLT
	6	8	8	MS20002C5	WASHER
2	12	12		MS20002C6	WASHER
2	2			*MS20600AD4W3	WASHER
2	2			*MS21042L3	RIVET
7 (4)	7 (4)			+MS21042L4	NUT (OR MS21042-3)
10 (4)	28 (4)	24	24	+MS21042L5	NUT (OR MS21042-4)
	12	12		MS21042L6	NUT (OR MS21042-5)
	4	4	4	MS21250-05032	NUT (OR MS21042-6)
	4	4	4	MS21250-05038	BOLT
2	12	12		MS21250-06018	BOLT
2	2			*NAS1149DN832J	BOLT
2	2			*NAS1149D0416J	WASHER (AN960JD8)
7 (2)	7 (2)			+NAS1149D0463J	WASHER (AN960JD416L)
16 (4)	44 (4)	40	40	+NAS1149D0563J	WASHER (AN960JD416)
	12	12		NAS1149D0663J	WASHER (AN960JD516)
					WASHER (AN960JD616)

* Pre-assembled prior to shipping

* Quantity in () preassembled prior to shipping

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

Revision: C

Date: 10.01.01

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries